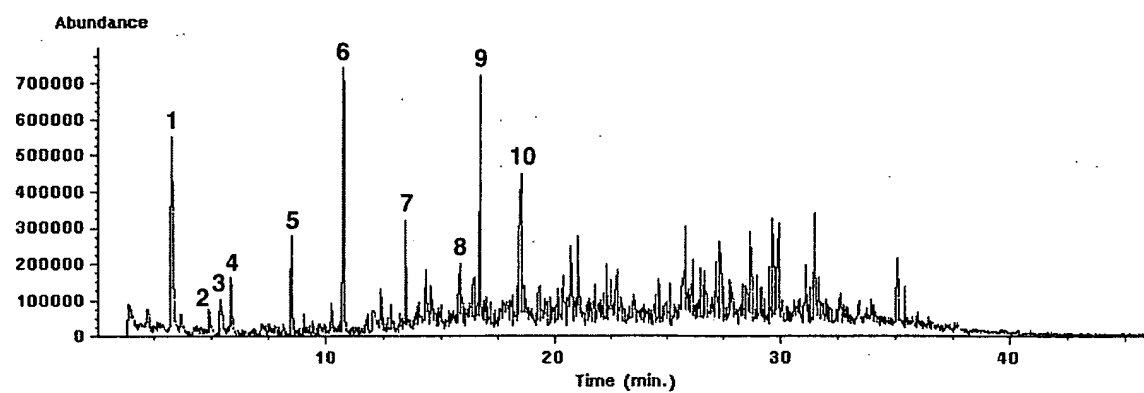


Figure 1: Infrared Spectra of *Echinacea melanin*

A



B

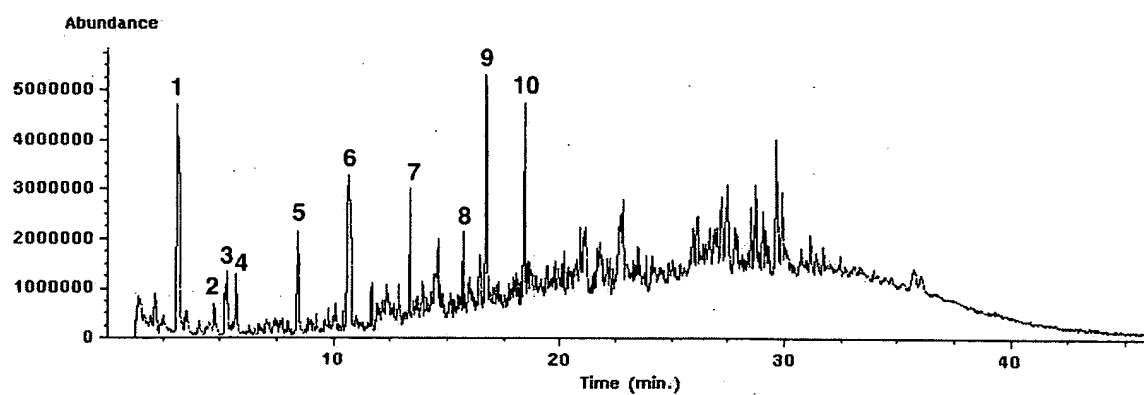


Figure 2. Total ion chromatogram of melanin pyrolysis products.

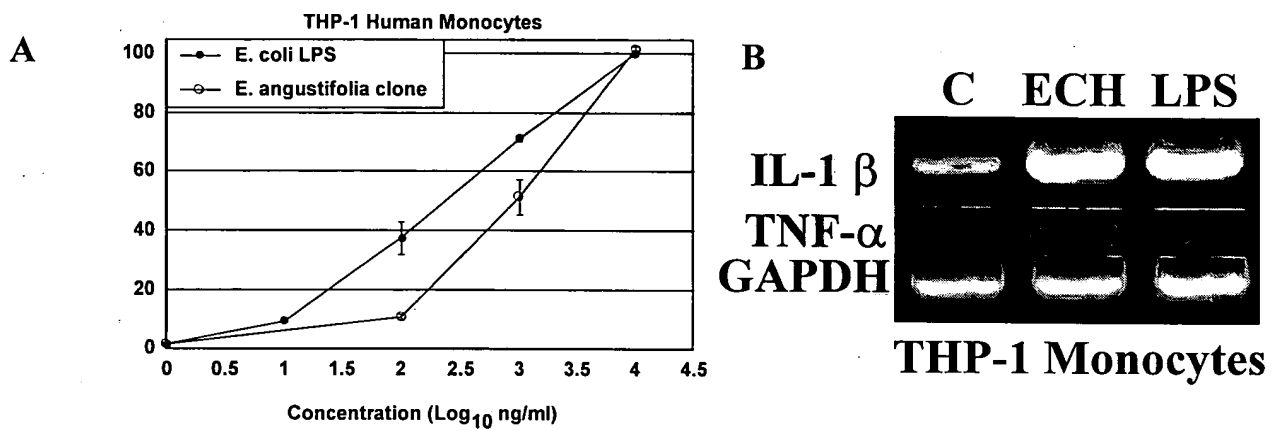


Figure 3. Response of THP-1 monocytes to *Echinacea* melanin.

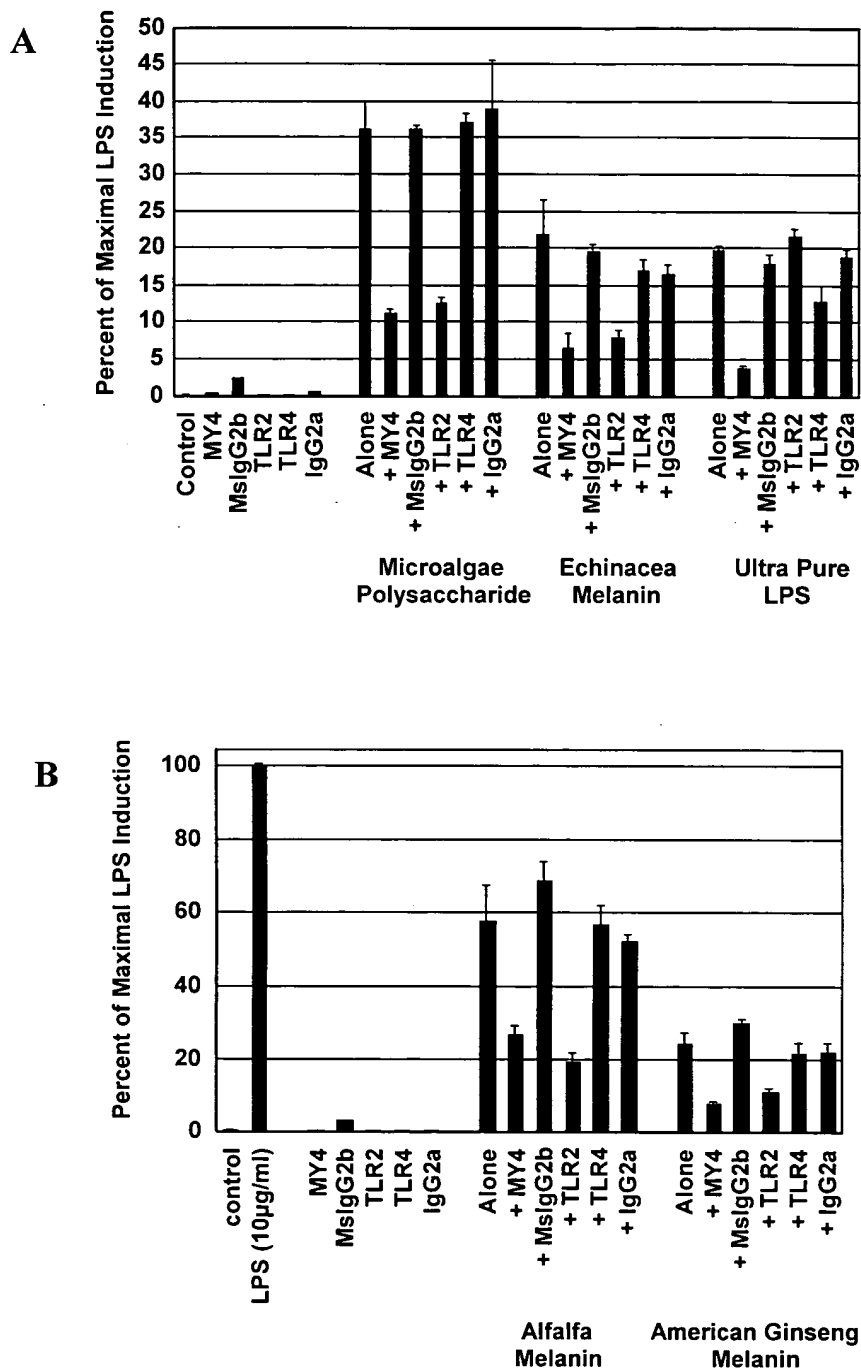


Figure 4. Effect of TLR blocking antibodies on THP-1 activation.

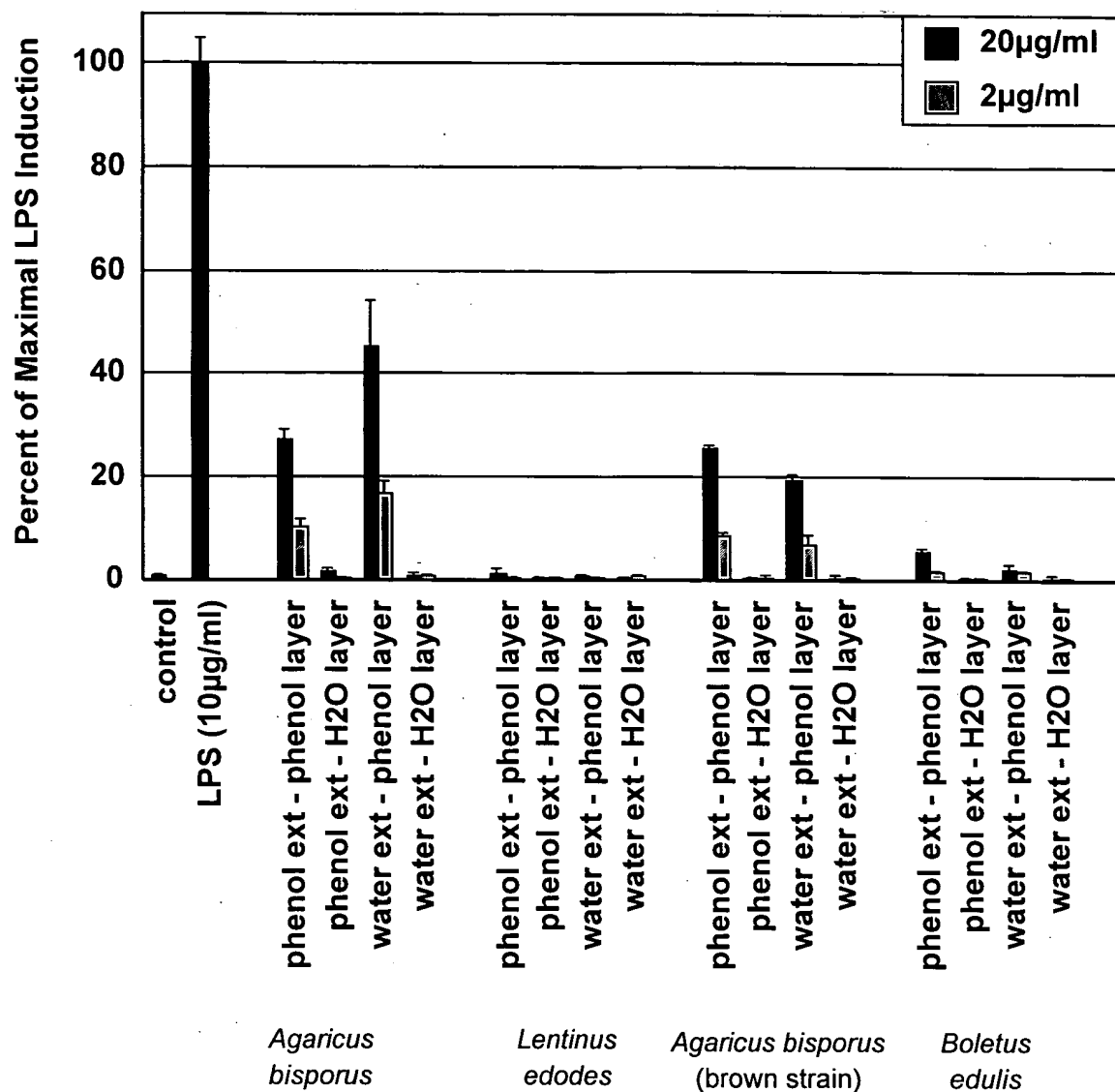


Figure 5. Monocyte activity for the water soluble and phenol soluble components in each mushroom.

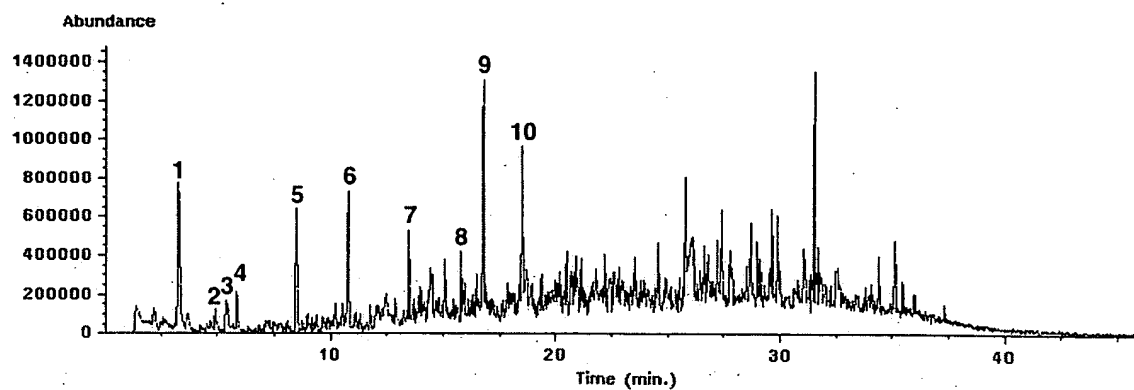


Figure 6. Total ion chromatogram of *Agaricus bisporus* mushroom melanin pyrolysis products

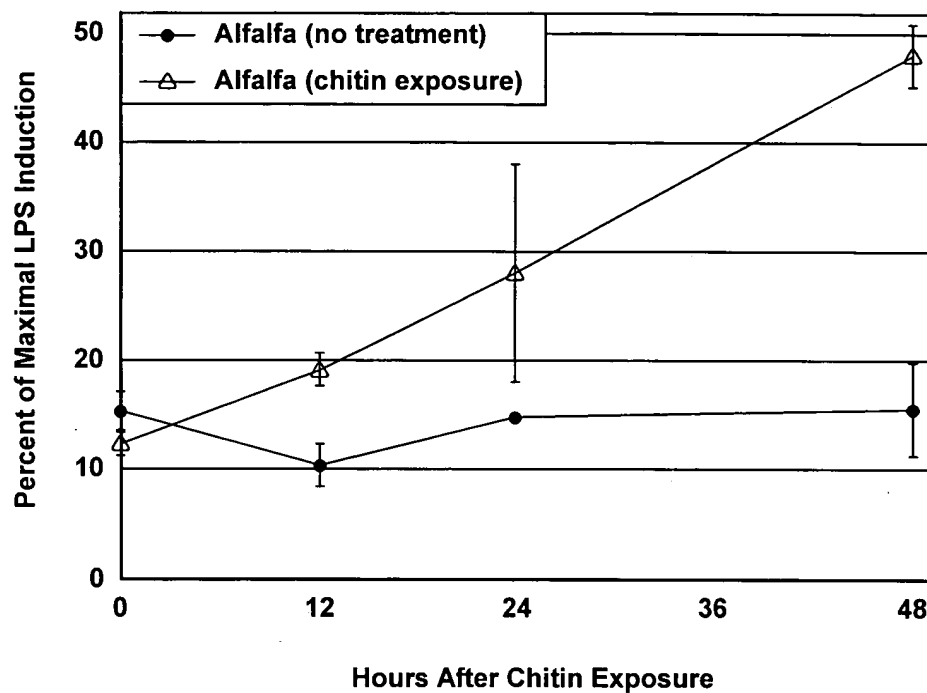
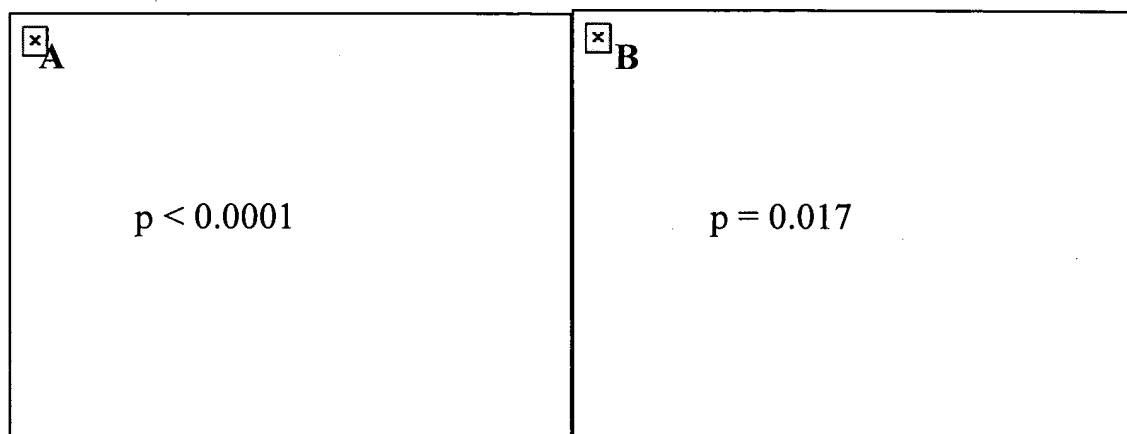


Figure 7. Time course of enhancement of melanin activity by treatment with chitin.



**Figure 8. Effect of American Ginseng melanin on immune parameters.**